

## ECS Configuration Change Request

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1. Originator Cherry Kenney	2. Log Date: 4/11/02	3. CCR #: 02-0303	4. Rev: —	5. Tel: 301-883-4177	6. Rm #: 3204D	7. Dept. DEV/CO
8. CCR Title: TE_6A.05_STMG.02. For All DAACs. Contains fixes for 3 Sev 2 NCRs and One Sev 3 NCR.						
9. Originator Signature/Date Kenneth L. Cockerill /s/ 4/11/02			10. Class II	11. Type: CCR	12. Need Date: 11April02	
13. Office Manager Signature/Date Mark McBride /s/ 04/11/02			14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Emergency	
16. Documentation/Drawings Impacted:			17. Schedule Impact:		18. CI(s) Affected:STMG	
19. Release Affected by this Change: 6A		20. Date due to Customer: 11April02		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 32257, 33679, 33903, 33971						
23. Problem: (use additional Sheets if necessary) ECSed32257 Sev3 stmgtdb1 transaction logs are reaching logdump thresholds frequently ECSed33679 Sev2 Evaluate performance of DsStCMRemoveLink ECSed33903 Sev2 ArchiveServer should take advantage of all mounted RO Caches ECSed33971 Sev2 PullMonitor leaks file descriptors during start-up						
24. Proposed Solution: (use additional sheets if necessary) Deliver TE_6A.05_STMG.02 . TE must be installed on top of Patch_6A.05_STMG.01C Tarfile was made on April 11, 2002.						
25. Alternate Solution: (use additional sheets if necessary) Delay testing; wait until next full system delivery.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Delays in testing or possible delays in 6A.05 operational testing						
27. Justification for Emergency (If Block 15 is "Emergency"): Needed immediately following the delivery of 6A.05.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): Byron V. Peters /s/ 4/11/02		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date): Debra Stepp /s/ 4/11/02		Disposition: <u>Approved</u> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

# ADDITIONAL SHEET

**CCR #:** 02-0303 **Rev:** — **Originator:** Cherry Kenney

**Telephone:** 301-883-4177 **Office:** 3204D

**Title of Change:** TE\_6A.05\_STMGT.02. For All DAACs. Contains fixes for 3 Sev 2 NCRs and One Sev 3 NCR.

Actions

ClearCase

Please build IRIX tar file from the 6A05 baseline for the following packages:

.EcDsStArchive.pkg  
.EcDsStDatabase.pkg  
.EcDsStIngestFtp.pkg  
.EcDsStPullMonitor.pkg

Please name tarfile TE\_6A.05\_STMGT.02

Deliver tarfile to All DAACs.

## DAAC INSTALL INSTRUCTIONS

### A. SETUP:

1. Untar the IRIX65 tar file using the following script:

TE\_6A.05\_STMGT.02\_Apr-11-2002\_6A05\_irix65\_20020411\_131412\_Setup.ksh

When prompted, do not install a new version of EcsAssist.

2. cd <staging\_area>/IRIX65/CUSTOM/dbms/DSS
3. chmod -R 775 \*
4. Suspend all Distributions using the Distribution GUI (using the Suspend All option).
5. Take down all STMGT Servers and the STMGT Gui

### B. INSTALLATION:

1. Logon to any SUN in the .sitemap. (E.A.S.I. must be run from a SUN)
2. Bring up EcsAssist and via E.A.S.I. install the following four packages:

.EcDsStArchive.pkg  
.EcDsStDatabase.pkg  
.EcDsStIngestFtp.pkg  
.EcDsStPullMonitor.pkg

### C. CONFIGURATION:

The following new parameter will be added to the STMGT .cfgparms file for the EcDsStFtpServer, EcDsStCacheManagerServer and EcDsStPullMonitorServer: LogInterval (with a default value of 100 MegaBytes) This value controls the logging frequency of how often an FTP transaction is logged to the stmgt database (NCR ECSed32257).

The EcDsStFtpServer and EcDsStCacheManagerServer are installed on the following hosts:

EDC: e0acg11, e0drg011, e0drg012, e0icg11, e0wkg01  
GSFC: g0acg01, g0drg01, g0drg02, g0icg01, g0icg02  
LARC: l0drg01, l0icg01  
NSIDC: n0acg01, n0drg01, n0icg01

The EcDsStPullMonitorServer is installed on the following hosts:

EDC: e0acg11  
GSFC: g0acg01  
LARC: l0acg02  
NSIDC: n0acg01

On each of the hosts for the EcDsStFtpServer, EcDsStCacheManagerServer and EcDsStPullMonitorServer, complete the steps 3 thru 8 (it is recommended that you configure xxacgnn last):

3. Bring up EcsAssist Subsystem Manager

4. Drill down through the MODE, DSS, EcDsSt, EcDsStStorageMgmtApp, and click on EcDsStFtpServer (if you are configuring the EcDsStFtpServer), EcDsStCacheManagerServer (if you are configuring the EcDsStCacheManagerServer) or EcDsStPullMonitorServer (if you are configuring the EcDsStPullMonitorServer).

5. Next Click on Configuration. Only the configuration parameters for the server you are configuring should be displayed. When the .cfgparms are displayed verify all values displayed agree with the values already in the Registry. Then click on Continue. A new configuration file (either EcDsStFtpServer.CFG, EcDsStCacheManagerServer.CFG or EcDsStPullMonitorServer.CFG) will be created.

6. Move the newly created configuration file to its ".rgy" backup (i.e. mv EcDsStFtpServer.CFG EcDsStFtpServer.CFG.rgy) (You do not need to Populate the Registry, we will update the registry later using the .rgypatch. Do not try to run a .rgypatch from an SGI architecture)

STEPS 7 and 8 ARE IMPORTANT ONLY IF YOU HAVE A FIREWALL:

7. ls -lrt SLCsocks5.conf.\* (This will display a list of SLCsocks5.conf files)

8. Determine which file has the correct value for your firewall configuration and move that file to SLCsocks5.conf. (Delete the other copies if desired.)

example: mv SLCsocks5.conf.20020312121212 SLCsocks5.conf

9. Log on to the host where EcDsStmgtGui (or EcDsStRequestManager) is installed

10. cd /usr/ecs/<MODE>/CUSTOM/.installed/DSS/stmgt

11. cp <staging\_area>/IRIX65/CUSTOM/.installed/DSS/stmgt/.rgypatch .rgypatch

12. Bring up the EcsAssist Subsystem Manager

13. Choose the MODE, DSS and EcDsSt.

14. On the Tools Menu, Click on Registry Data Patch

15. Fill in the following:

Registry Database Server: xxicgnn

Registry DBO Id: css\_role

Registry Password: <password>

Registry DB Name: EcCsRegistry<\_MODE> (Remember to enter carriage return)

Tree to patch: (select from pull down menu)

Patch File: -- /usr/ecs/<MODE>/CUSTOM/.installed/DSS/stmgt/.rgypatch

- 16. To view the contents of the patch file you are about to apply click on the words Patch File.
- 17. After you have reviewed the .rgypatch file, click OK. This will update the current Registry tree with the new LogInterval parameter for EcDsStFtpServer, EcDsStCacheManagerServer and EcDsStPullMonitorServer for all hosts.

D. PATCH STMGT DATABASE

- 1. On the host where the STMGT database is installed (xxacgnn), bring up EcsAssist Subsystem Manager
- 2. Select the MODE, DSS, EcDsSt and then click on Database Patch
- 3. Update the STMGT database with the following patch:

Patch Number	Patch Description
6133	The changes to the stored procedure included modifying the last update statement to DsStCacheFile to include FileName as a restricting criteria, and adding edit checking for the modify data commands. This is to improve performance.

E. POST INSTALLATION

- 1. Warm Start all the STMGT servers.
- 2. Manually resume all distributions by clicking "RESUME ALL" on the distribution GUI.